

Historic, Archive Document

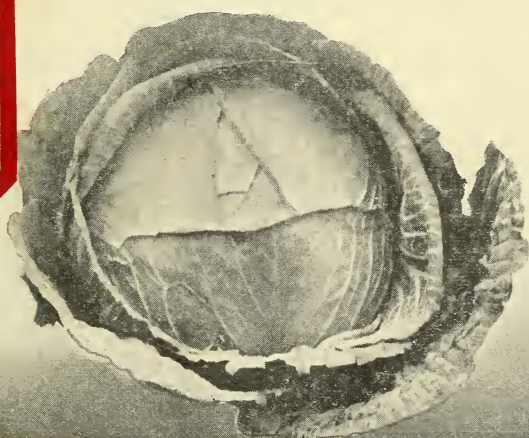
Do not assume content reflects current scientific knowledge, policies, or practices.

62.91

U.S. Department of Agriculture

The
**TILLINGHAST
SEED CO.**

LaConner, Wash.



PREMIUM LATE DUTCH CABBAGE

OUR 32nd
ANNUAL CATALOG
1917

Quantity of Seed Required

	Quantity Per Acre		Quantity Per Acre
Alfalfa	10 to 20 lbs.	Grass, Orchard	40 to 45 lbs.
Alsike	8 to 10 lbs.	Kale.....	1 oz. to 200 ft. of drill, 1 lb.
Asparagus.....	1 oz. to 500 plants, 1 lb.	Kohl Rabi, 1 oz. to 150 ft. of drill, 2 lbs.	
Barley	100 lbs.	Leek.....	1 oz. to 300 ft. of drill, 4 lbs.
Beans, dwarf		Lettuce.....	1 oz. to 400 ft. of drill, 3 lbs.
.....	1 lb. to 100 ft. of drill, 50 lbs.	Melon, Musk, 1 oz. to 60 hills, 2 to 3 lbs.	
Beans, pole.....	1 lb. to 150 hills, 25 lbs.	Melon, Water....	1 oz. to 30 hills, 3 to 4 lbs.
Beets, garden		Nasturtium, 1 oz. to 50 ft. of drill, 15 lbs.	
.....	1 oz. to 50 ft of drill, 5 lbs.	Oats	75 to 100 lbs.
Beets, sugar or mangel	5 lbs.	Onion, 1 oz. to 300 ft. of drill, 4 to 5 lbs.	
Broccoli.....	1 oz. to 2000 plants, 4 oz.	Onion Sets, 1 lb. to 40 ft. of drill 400 lbs.	
Brussels Sprouts		Parsley.....	1 oz. to 300 ft. of drill, 3 lbs.
.....	1 oz. to 2000 plants, 4 oz.	Parsnip.....	1 oz. to 400 ft. of drill, 3 lbs.
Cabbage.....	1 oz. to 2000 plants, 8 oz.	Peas, garden..	1 lb. to 50 ft. of drill, 200 lbs.
Carrot.....	1 oz. to 125 ft. drill, 3 lbs.	Peas, field	90 to 150 lbs.
Cauliflower.....	1 oz. to 3000 plants, 4 oz.	Pepper.....	1 oz. to 1500
Celery.....	1 oz. to 5000 plants, 4 oz.	Pumpkin.....	1 oz. to 30 hills, 3 to 4 lbs.
Chicory.....	1 oz. to 100 ft. of drill, 4 lbs.	Radish.....	1 oz. to 100 ft. of drill, 10 lbs.
Clover, white, alsike.....	6 to 10 lbs.	Rape, Dwarf Essex.....	3 to 5 lbs.
Clover, red.....	8 to 15 lbs.	Rutabaga	
Corn, sweet.....	1 lb. to 200 hills, 15 lbs.	.....	1 oz. to 150 ft. of drill, 2 to 3 lbs.
Corn, field.....	12 to 20 lbs.	Rye	90 to 120 lbs.
Cress.....	1 oz. to 150 ft of drill, 12 lbs.	Salsify.....	1 oz. to 50 ft. of drill, 8 lbs.
Cucumber.....	1 oz. to 100 hills, 2 to 3 lbs	Spinach.....	1 oz. to 200 ft. of drill, 8 lbs.
Endive.....	1 oz. to 400 ft. of drill, 4 lbs.	Squash, bush.....	1 oz. to 25 hills, 3 lbs.
Flax...for seed, 30 lbs., for fiber, 50 lbs.		Squash, vine.....	1 oz. to 12 hills, 2 lbs.
Grass, lawn, mixed.....		Sunflower	8 lbs.
.....	1 lb. to 300 sq. ft., 145 lbs.	Tobacco.....	1 oz. to 5000 plants, 3 oz.
Grass, Kentucky Blue.....	20 lbs.	Tomato.....	1 oz. to 2000 plants, 4 oz.
Grass, Timothy.....	12 to 20 lbs.	Turnip.....	1 oz. to 150 ft. of drill, 2 lbs.
Grass, Red Top, in chaff.....	30 to 40 lbs.	Vetch, common or spring.....	60 to 90 lbs.
Grass, Red Top, solid seed, 10 to 12 lbs.		Vetch, hairy or winter.....	30 to 60 lbs.
Grass, Rye Grass, English and		Wheat.....	90 to 120 lbs.
Italian	40 to 50 lbs.		

Usual Distances for Planting

Asparagus, 3 to 4 by 2 feet.	Melon, Water, 7 to 8 feet each way.
Beans, bush, drills 2 to 3 feet apart.	Onions, drills 14 to 20 inches apart.
Beans, pole, 3 to 4 feet each way.	Parsnips, drills 18 to 36 inches apart.
Beets, early, drills 12 to 18 inches apart.	Peas, drills 2 to 3 feet apart.
Beets, late, drills 2 to 3 feet apart.	Peppers, 15 to 18 inches by 2 to 2½ feet.
Cabbage, early, 16 by 30 inches.	Potatoes, 12 to 18 inches by 2½ to 3 ft.
Cabbage, late, 24 by 30 inches.	Pumpkin, 8 to 10 feet each way.
Melon, Musk, 5 to 6 feet each way.	Radish, drills 10 to 18 inches apart.
Carrots, drills 1 to 2 feet apart.	Rhubarb, 2 to 4 feet by 4 feet.
Cauliflower, 2 by 2 to 2 by 3 feet.	Salsify, drills 18 to 24 inches apart.
Celery, rows 3 to 4 feet, 6 inches in row.	Spinach, drills 12 to 18 inches apart.
Corn, sweet, 3 to 3½ feet by 9 to 24 in.	Squash, bush, 3 to 4 feet by 4 feet.
Corn, field, 3½ to 4 feet each way.	Squash, running, 12 feet each way.
Cucumber, 4 to 5 feet each way.	Tomato, 4 feet by 4 to 5 feet.
Lettuce, drills 18 inches apart.	

How to Get Our Seeds

WE SEND ORDERS POSTPAID BY MAIL at prices named in this list, and **GUARANTEE SAFE ARRIVAL** to your address. The U. S. MAIL places our seed store at **YOUR DOOR**, and we make it very easy for you to get **GOOD, FRESH SEEDS** to plant. Look over this catalog carefully and mark with a pencil all that you want. Then make out on the order sheet, or any other paper, a list of all the kinds and quantities that you have selected. **BE SURE TO WRITE YOUR NAME AND ADDRESS** plainly, enclosing the amount, and we will fill your orders **PROMPTLY, BY RETURN MAIL**, and **PAY THE POSTAGE OURSELVES**.

HOW TO SEND MONEY. If the amount is fifty cents or more, send by **POST OFFICE MONEY ORDER**, drawn on La Conner, Wash., P. O. (in applying for which you can fill out at home, for the postmaster, the government blank application, which we send you with the order sheet), and we recommend this as the best way to send money. But if you are not convenient to money order office, you may send **Express Money Order, Bank Check, or by Registered Letter**. If the amount is less than **FIFTY CENTS**, you may send **Coin or Stamps**, securely sealed and plainly addressed, in common letter without registering. Be sure that all **Orders and Checks** are drawn to the order of **The Tillinghast Seed Co., La Conner, Wash.**, and that all coin should be wrapped with a small piece of cloth or strong paper, or otherwise secured from shaking around loose in the letter, and stamps should be kept dry and carefully folded within the letter or order sheet.

With each order for seeds by packets, ounces, or quarter pounds, we will put in a free packet, for each 50 cents of your order, if you will say what kinds will be most acceptable to you. But this does not apply to the **Special Offer Collection**, or to pound orders.

DO NOT DELAY, BUT MAKE OUT YOUR ORDER NOW, while you think of it, and have the seeds on hand when the planting time comes, and have the best garden you ever had. **WE PAY THE POSTAGE** on vegetable and flower seeds.

CHANGE OF PRICES—Owing to the fluctuations of prices of grasses, clover, timothy, field peas, field corn, rye, etc., we would be pleased if you would state when ordering just what you wish us to do in case the price has changed. Do you wish your money's worth if the price has been lowered, or extra money returned?

POSTAGE IN 6th, 7th and 8th ZONES—Owing to the fact that the postage on seed in the 6th, 7th and 8th zones is so much greater than the nearby territory, all customers in Alaska, Canada, and all the states lying south and east of the following states, Washington, Oregon, Idaho, California, and Montana, must add 7 cents extra to your order for each pound that your order will weigh. Otherwise we will be forced to send only your money's worth or to hold your order until the necessary postage is received.

PLANT ORDERS WILL BE BOOKED—All orders for plants and tubers which are received prior to the proper time for sending out will be booked and filled on or as near as possible to the date in the catalog under each variety of plants. If you do not get your order within a reasonable time after the dates set, drop us a postal card stating when you sent your order and what it contained.

NOTE.—We use every precaution in procuring fresh, pure and reliable seeds, etc., but we, in common with other responsible seed houses, sell our goods subject to the following disclaimer, it being that adopted by the American Seed Trade Association, i. e.: We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, roots or plants sent out and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once.—The Tillinghast Seed Co.

BEANS--Continued



DWARF HORTICULTURAL or "Cranberry Bean." This well known bean is very sturdy and prolific. It is well adapted both for home garden and for market growing. The beans which are speckled, bright red on a yellowish ground, are quite large and uniform and are very fine either for eating as green shell beans or as dried beans for winter use. There are few beans which will surpass the Dwarf Horticultural, either in quantity or sureness of yield. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

PENCIL POD BLACK WAX. One of the finest strains of wax beans known. It is very early, enormously productive, and of the very best quality. It has long, slender, handsome pods, that cook so tender they melt in the mouth, and are the most delicious bean we have ever found. Lb., 30c; $\frac{1}{2}$ lb., 20c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

CHALLENGE DWARF BLACK WAX. This is the earliest of all the wax beans. It is ready for use a week before any other kind we have tried, and it is of the best quality for snap beans, but not so productive as the other kinds. Plant a few of these for earlier use and some of the following for a succession. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.



DAVIS WHITE WAX. A popular white seeded wax variety. Handsome, hardy, and, when young, crisp and tender; the dried bean kidney-shaped and good for cooking. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.



GOLDEN EYED WAX. One of the best. Its pods or leaves never rust or spot like some others, and it is blight proof. Entirely stringless; flesh tender and of excellent quality and flavor. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

CULTURE.—Do not plant any kind of beans until the ground is dry and warm. Bush beans may be planted 2 inches deep in drills from 24 to 30 inches apart, depending on the variety and the richness of the soil. The seed should be placed about 3 inches apart in the row. When the planting is done in hills they should be about 24 inches apart each way. Cultivation should be frequent until the plants begin to bloom.

BEANS—Continued

Pole or Running

OLD HOMESTEAD. This grand pole bean continues to be a great favorite. It is perfectly suited to this climate. Medium early, and enormously productive. Very large, long pods that cook tender and melting, and when once matured the green shelled beans are excellent. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

DUTCH CASE KNIFE. A little later. Has large, green flat pods; good for "snap" or shelled green. The large Lima beans are too late for

our climate, and the Dutch Case Knife is the nearest approach to them of any here. Lb., 25; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

LAZY WIFE. Pods are from four to five inches in length, produced in large clusters in great abundance. Dark green, thick, fleshy and stringless; of unusually rich flavor. Dry beans, pure white; excellent for winter use. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

BEETS

For Table Use



EARLY EGYPTIAN. .. Best early table beet. Turnip-shaped and smooth. Deep blood color. Fine quality and earliest of all. Lb., \$1.00; $\frac{1}{2}$ lb., 60c; $\frac{1}{4}$ lb., 35c; oz., 10c; pkg., 5c.

EDMOND'S BLOOD TURNIP.

A handsome clean shaped blood beet, not too large or coarse, but of good size. Crisp, tender, sweet and an excellent keeper. Small tops and roots. Matures early. Lb., \$1.00; $\frac{1}{2}$ lb., 60c; $\frac{1}{4}$ lb., 35c; oz., 10c; pkg., 5c.



ECLIPSE. Later, but gets larger than the Egyptian. Globular in shape, small top, quality fine, but not as deep red color as the Egyptian. Lb., \$1.00; $\frac{1}{2}$ lb., 60c; $\frac{1}{4}$ lb., 35c; oz., 10c; pkg., 5c.

LONG SMOOTH BLOOD. The best late winter beet; smooth and tender, small round diameter, but very long shape; keeps well. Lb., \$1.00; $\frac{1}{2}$ lb., 60c; $\frac{1}{4}$ lb., 35c; oz., 10c; pkg., 5c.

I am well pleased with the Danish Sludstrup Mangel seed I got from you.

MR. ROBT. GASKELL,
Dungeness, Wash.

I have used your seed for many years and certainly have had good results. MR. JOHN LAUSH.
Enumclaw, Wash.

BEETS--Continued

SWISS CHARD



MANGEL WURTZEL

Write for Prices on 10 Lbs. or More



SWISS CHARD OR SPINACH BEET

A variety of beet grown exclusively for its large, juicy, tender, light colored leaves and leaf stalks, which are much superior to those of other beets for use as greens. Swiss Chard is also greatly relished by chickens. Poultrymen will find this a valuable green food for young chicks as well as laying hens that are kept constantly penned up. Lb., 75c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.

SUGAR BEETS

For Sugar or for Stock.

FRENCH WHITE SUGAR. Combines with good yield, a good percentage of sugar. Not so large as the Mangels, but much sweeter. Lb., \$1.00; $\frac{1}{2}$ lb., 50c; $\frac{1}{4}$ lb., 35c; oz., 10c; pkg., 5c.

DANISH SLUDSTRUP. New kind from Denmark. Highly recommended by the Danish Government. Long, oval, reddish-yellow. Grows well above ground, and easy to pull. After growing them for five years, we find the Sludstrup to be very productive, large, smooth, uniform shape, and very sweet and solid, and of high nutritious value. They much resemble the Giant Yellow or Gate Post, but are sweeter, containing more sugar. Our seed is from the originator in Denmark. Price, lb., 75c; $\frac{1}{2}$ lb., 40c; $\frac{1}{4}$ lb., 25c; oz., 10c.

Owing to the extremely small supply and the prevailing high prices we are unable to offer this standard variety at the regular price. Orders filled as long as supply lasts.

MANGEL WURTZEL BEETS—Continued



Giant Yellow or Gate Post.

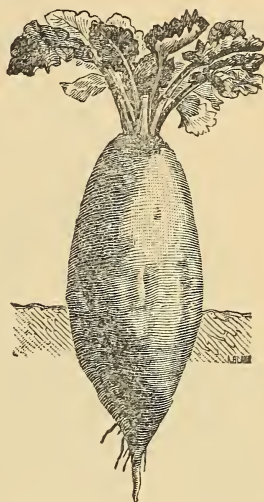
GIANT YELLOW OR GATE POST.

Also called Golden Leviathan. This beautiful russet colored mangel is very similar to the famous Danish Sludstrup in every particular except that it does not contain quite such a high percentage of sugar. The flesh is white and firm and the yield is enormous. Owing to the shortage and resulting high price of Danish Sludstrup due to the embargo on this seed by the Danish Government the Gate Post is the logical successor to it for general planting. Lb., 60c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz., 5c.

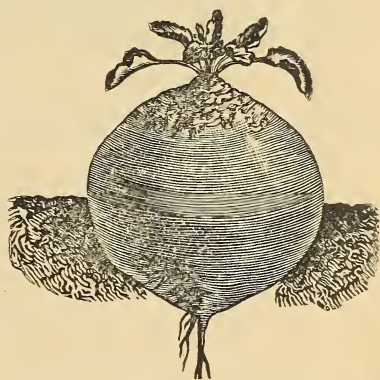
GIANT HALF SUGAR MANGEL.

A strain of mangels, larger than the regular sugar beet and sweeter than the other mangels, which has been specially selected for its size and also nutritive feeding value. Stands well out of the ground and is easier to pull than the smaller sugar beets. Price, lb., 60c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz., 5c.

NORBITAN'S GIANT. Largest red. Easiest to pull. Grown mostly above ground. Produces more weight to the acre, but is coarser grain than the other mangels. Lb., 60c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz., 5c.

**GOLDEN YELLOW TANKARD.** A

superior strain of yellow mangel. Very sweet, firm flesh; produces enormous crops; flesh yellow and not as solid as the Gate Post. Lb., 60c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz., 5c.



YELLOW GLOBE. Better than other kinds for sandy or shallow soil. Globular in shape, productive, and keeps well. Very smooth and handsome. Grows to a large size on good soil. Lb., 60c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz., 5c.

LANE'S IMPERIAL SUGAR. Hardier and contains more sugar than the other kinds. It is a white sugar beet, selected for feeding stock. Lb., 60c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz., 5c.

BRUSSELS SPROUTS

Brussels Sprouts is a variety of cabbage which, instead of producing a single head like cabbage, have numerous little heads produced at the leaf joints. It is a little hardier than cabbage and by some people is considered to have a more delicate flavor than that vegetable.

TALL FRENCH. Produces numerous compact sprouts of good quality. Oz., 20c; pkg., 5c.

**BROCCOLI**

Broccoli is a variety of cauliflower which, though much hardier, is inferior to that vegetable. The head is similar to cauliflower but is coarser.

EARLY PURPLE CAPE. Early, compact heads of good flavor. Oz., 40c; pkg., 5c.

AUTUMN WHITE CAPE. Later, large white heads; splendid fall variety; heads during winter; frost proof, delicious eating early in spring. Oz., 40c; pkg., 5c.

Our main order for seeds will follow later as we have always used your seeds and found them fine.

MRS. J. O. ANDERSON,
Sumas, Wash.

The grass seed I got from you was certainly extra fine.

J. C. ANDERSON,
Kapowsin, Wash.

BORECOLE or KALE

This is grown quite extensively for greens and for gardening wherever the climate will permit. As a rule Kale will stand a temperature of nearly zero and can be used as winter greens wherever the thermometer does not fall below that point. The flavor is improved by frost. In the Northwest it gives good results if planted from June to August.



GREEN CURLED. The plants of this variety are two to four feet in height and bear an abundance of long plume-like leaves. The leaf edges are deeply cut and very curly. Very seldom injured by freezing in Western Washington or Oregon. Oz., 15c; pkg., 5c.

DWARF CURLED SCOTCH. A finely curled, low growing and hardy variety, well adapted for making greens. This variety is used largely for garnishing, as the leaves are of a beautiful light shade of green. This variety is also very hardy. Oz., 15c; pkg., 5c.

THOUSAND HEADED KALE. Lb., 50c; ¼ lb., 20c; oz., 10c; pkg., 5c.

For description and prices on larger quantities, see page 31.

CABBAGE

Our seeds are tested for purity and germination, and none are sent out that will not grow if soil, weather and cultural conditions are right.

EARLY CABBAGE



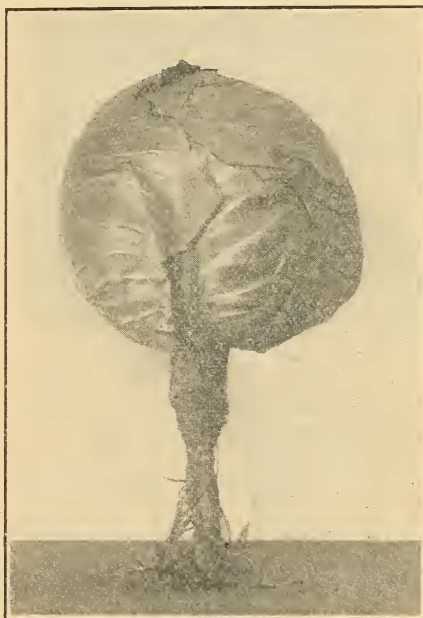
EARLY JERSEY WAKEFIELD.

This is the earliest and best cabbage not only for market gardeners but for the family garden. Its great resistance both to frost and other unfavorable conditions makes it the surest header of all the early cabbages. The heads are very solid, uniform, medium sized and of excellent quality. Lb., \$2.00; $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.

CHARLESTON WAKEFIELD. This is a strain of Wakefield which is just a little later and larger than the Early Jersey Wakefield. The leaves are large, smooth and rather thick. The plant is very hardy and vigorous. The heads are blunt pointed, broad at the base, and in general very uniform. Price, lb., \$2.00; $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.



EARLY WINNINGSTADT. A very solid, pointed head, medium in size and earliness. If planted late, makes a good winter cabbage. Heads well on land too poor to head other kinds. Lb. \$2.00; $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.



COPENHAGEN MARKET. This is the earliest of the round headed type of cabbage, yet introduced. The heads are quite large and very fine quality. Although this is not quite so hardy as the Early Jersey Wakefield it will be found an excellent sort both for the home garden and the market gardener. Lb., \$3.50; $\frac{1}{4}$ lb., \$1.00; oz., 30c; pkg., 5c.

HENDERSON'S EARLY SUMMER.

A little later and larger than the Wakefield. Heads flat and stand longer without bursting. Lb., \$2.25; $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.

ALL SEASONS OR SUCCESSION.

A fine new cabbage a few days later, but much larger than the Early Summer; sure heading and of finest quality. Good to plant early or late. Lb., \$2.00; $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.

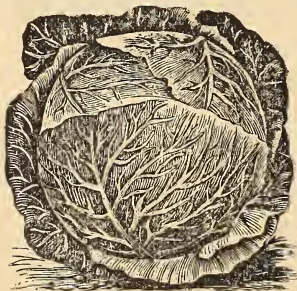
CABBAGE--Continued

LATE CABBAGE



PREMIUM LATE DUTCH. Best for winter use; round or slightly flattened heads; stands freezing well. A good keeper and of excellent quality. Lb., \$2.00; $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.

LATE AMERICAN DRUMHEAD. Large late heads, hard and solid, very desirable for fall and winter use. Sure heading and a good keeper. Smooth, uniform heads. Lb., \$2.00; $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.

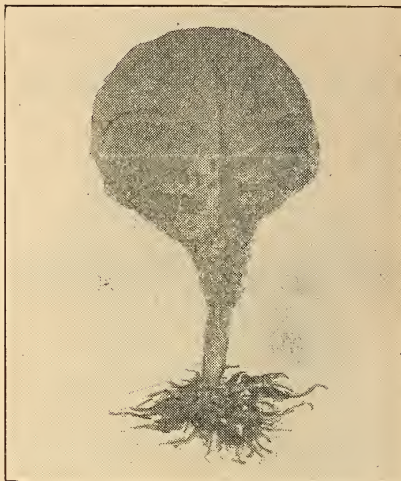


GENUINE SELECTED SUREHEAD. A very reliable header; large, late, round flattened heads of the Flat Dutch type; a good keeper. Lb., \$2.00; $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.

I had your garden seed last year for the first time and was well pleased with them.

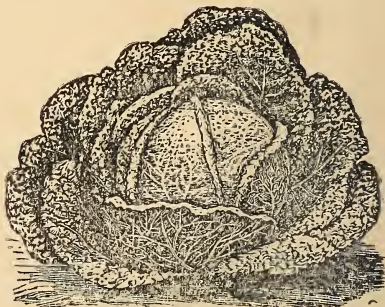
MRS. OSBORN GAULTER.
Oysterville, Wash.

Last year our Minnesota No. 13 corn grew on an average of eleven feet tall on this sandy ocean beach. We were more than pleased. MR. PERRY GRAHAM.
Klipsan Beach, Wash.



HOLLANDER OR DANISH BALL HEAD. A medium-sized, very solid head. Is a long keeper and a good one to ship. The small heads weigh more than large heads of other kinds. Should be planted on good soil, with good cultivation to secure good-sized heads. On poor soil it makes too long a stem. Lb., \$2.50; $\frac{1}{4}$ lb., 75c; oz., 20c; pkg., 5c.

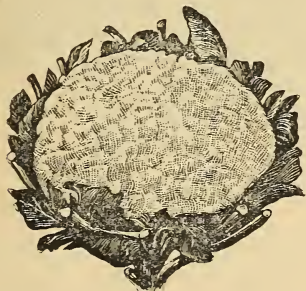
RED DRUMHEAD. A large, very solid, late red cabbage, much used in pickling. Good keeper and a favorite with the ladies. Lb., \$2.50; $\frac{1}{4}$ lb., 75c; oz., 20c; pkg., 5c.



NETTED SAVOY. This is the finest of the Savoy cabbages, and a general favorite; of excellent flavor, surpassing that of any other late cabbage. Stands freezing well. Lb., \$2.50; $\frac{1}{4}$ lb., 75c; oz., 20c; pkg., 5c.

CAULIFLOWER

CULTURE—A good, extra rich soil is essential for the successful cultivation of this most delicious vegetable; our most experienced cultivators, however, acknowledge the advantage of a cool, moist season. Pursue the same general directions as recommended for growing cabbage, watering liberally during the dry weather. An occasional application of liquid manure is beneficial.



HENDERSON'S EARLY SNOWBALL. The best known and most used of all the early cauliflowers. A great favorite with the market gardeners; for both early and late planting. Produces beautiful snow-white heads of the most delicious flavor. Lb., \$15.00; oz., \$1.00; pkg., 10c.

EXTRA EARLY DWARF ERFURT. This is the choicest selected strain of the Erfurt type and is very sure to make nice heads. Small leaves, large heads. Oz., \$1.00; pkg., 10c.

DANISH GIANT. An excellent dry weather variety, with large, pure white, solid heads; two weeks later than the Erfurt, but will head up better in dry weather. Oz., \$1.00; pkg., 10c.

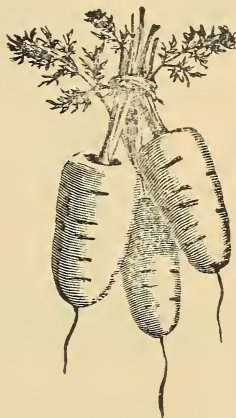
ALGIERS. One of the best kinds of late cauliflower. The plants are large and upright, with the leaves protecting the heads so that this sort will stand the frosts that would ruin many other varieties. A great favorite with market gardeners who desire a late marketing sort. $\frac{1}{4}$ lb., \$2.50; oz., 75c; pkg., 10c.

VIETCH'S AUTUMN GIANT. Large, late, white, compact heads, well protected by foliage. Oz., 60c; pkg., 10c; (Best for pickling and fall use.)

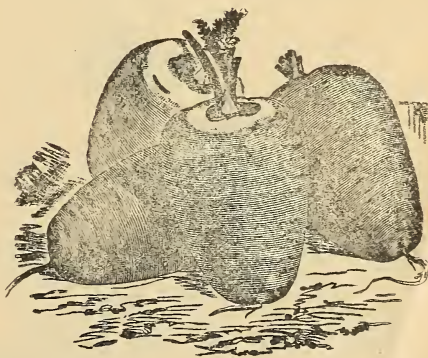
CARROTS, MANGLE WURTZELS, ETC.—By Gregory. See page 29.

CARROTS

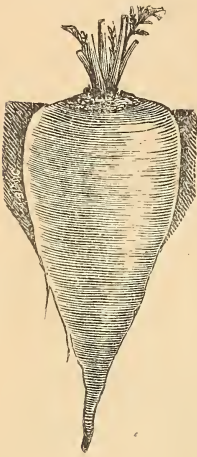
The carrot is a healthy, nutritious food for the family or for the stock. While we recommend the Yellow Mangel for cows, carrots are the best for horses, and they are especially valuable to feed poultry in winter, giving you great returns in the increased egg production. Peas and carrots make the cheapest and best food for laying hens. Don't fail to grow plenty of carrots. Easily grown, if you use our seed, which has always given great satisfaction.



EARLY HORN. Best for early market or table use. Quickest to mature. Lb., \$1.25; $\frac{1}{2}$ lb., 75c; $\frac{1}{4}$ lb., 40c; oz., 15c; pkg., 5c.



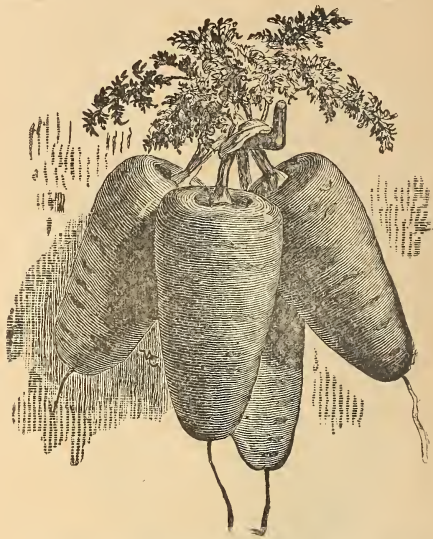
OXHEART, or GUÉRANDE. Short and thick; intermediate, between the Half-long and the Early Horn varieties; three or four inches in diameter at the neck. Of most beautiful color and shape. Lb., 90c; $\frac{1}{2}$ lb., 50c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.



Improved Short
White



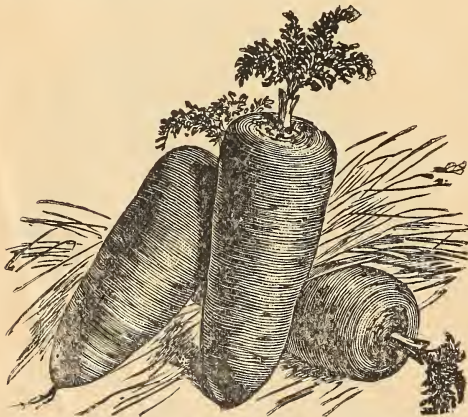
Large White
Belgian



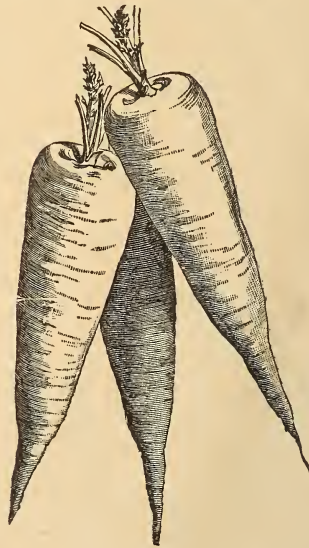
CHANTENAY. Excellent new carrot of the Half-long class. Great favorite wherever tried. Nearly as large around and a little longer than the Oxheart. Lb., 90c; $\frac{1}{2}$ lb., 50c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.

IMPROVED SHORT WHITE. A great improvement over the large White Belgian, and does not extend above the ground as does the old kind. Thick and short, easy to pull, and grows larger than the yellow kinds. Although a splendid stock carrot, it is most excellent quality for the table also. Lb., 90c; $\frac{1}{2}$ lb., 50c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.

LARGE WHITE BELGIAN. A large and very productive stock carrot. The long roots extend above the ground so it is easy to pull, but liable to be injured by sun or frost. Lb., 75c; $\frac{1}{2}$ lb., 45c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.



DANVER'S HALF-LONG. Shorter and easier to pull; great favorite. Very productive and of very fine quality. Lb., 90c; $\frac{1}{2}$ lb., 50c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.



LONG ORANGE. An old, well known kind, but not much used, as it grows too long and is hard to pull. Yields well, keeps well. Lb., 90c; $\frac{1}{2}$ lb., 50c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.

Carrots require about $2\frac{1}{4}$ to 3 pounds per acre.

CELERIAC



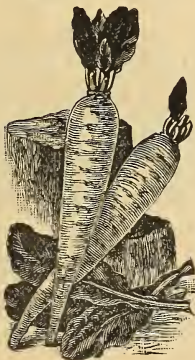
Turnip-rooted Celery.

Grown for its roots, which are cooked and sliced; used with vinegar, they make an excellent salad. They are also used for giving meats and soups the celery flavor. Pkg., 5c; oz., 15c.

FAMILY GARDEN COLLECTION

Twenty-five 5c pkgs. of your own selection, or thirty 5c pkgs. of our selection, for \$1.00. Any twelve 5c pkgs. for 50c. See page 28.

CHICORY



Lb., \$1; ¼ lb., 30c; oz., 10c; pkg., 5c.

LARGE ROOTED. Used as a substitute for coffee. Roasted and ground it makes a healthful drink, and grows well in this climate. Cultivate same as carrots. Every family should try it.

CELERY



KALAMAZOO. The most solid, crisp eating and deliciously flavored variety. Very large, short and stocky and of quick growth. Keeps well. Good for family use or for market. Oz., 20c; pkg., 5c.

WHITE PLUME. Most popular, with white stalks and leaves. Very ornamental. Does not require so much banking up for bleaching as the other kinds. Oz., 20c; pkg., 5c.

CRAWFORD'S HALF DWARF. Vigorous of growth; solid, good flavor. Oz., 20c; pkg., 5c.

DWARF GOLDEN HEART. A very popular and new variety. Beautiful short sort; solid, excellent flavor, and keeps well during winter. Oz., 20c; pkg., 5c.

GOLDEN SELF-BLANCHING CELERY. The best variety, especially for early crop. The plant is naturally golden-yellow; both leaves and stems. Forms rather a small bunch. Oz., 50c; pkg., 10c.

CORN

GOLDEN BANTAM. A medium early, very sweet corn, with golden yellow grain, very tender and of most excellent quality. It is not quite as early or sure as the Cory, and is of medium size, but those who can make a second early kind ear, will find this to be of exceptionally delicious and rich flavor for table use. We have grown it successfully here for several years, and for eating, like it best of all. Lb., 20c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.



MAMMOTH WHITE CORY. This is the White Cob Cory much improved in size of ear and kernel. It is the largest extra early sweet corn. It has twelve instead of eight rows, as in the old Cory, and will find better sale in the market. It is nearly as early and as good quality also. Lb., 20c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.



EXTRA EARLY CORY. This is the earliest sweet corn grown, and the best and surest to plant on Puget Sound. Put the hills three feet apart each way, and then thin out to two stalks in each hill, and it will ear and fill well. Lb., 20c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.



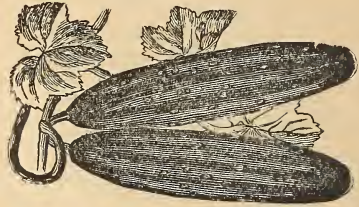
EARLY MINNESOTA. Is larger and later, but not so sure as the Cory. It is well to plant some of both kinds for a succession. Lb., 20c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

For **FODDER CORN**, see page 30.

CRESS or PEPPER GRASS

UPLAND. Leaves and flavor resemble water cress, but grows in dry soils, on uplands. Oz., 50c; pkg., 5c.

CUCUMBERS



LONG GREEN, IMPROVED. This is undoubtedly the best variety of cucumbers for all uses grown. While it is later than the White Spine, it produces a much larger fruit. It produces an abundance of fruit and is unsurpassed either for market gardening or for the home garden. $\frac{1}{4}$ lb., 30c; oz., 10c; pkg., 5c.

IMPROVED WHITE SPINE. This is one of the best sorts for early table use, as it will mature fruits a little earlier than the Long Green. Fruits usually straight and light green in color. $\frac{1}{4}$ lb., 30c; oz., 10c; pkg., 5c.

JAPANESE CLIMBING. This cucumber is adapted to growing on a trellis so that the fruits hang free from the ground. The fruits are much longer than the Long Green and of good flavor. Usually thrive well even in dry, hot summers. $\frac{1}{4}$ lb., 50c; oz., 15c; pkg., 5c.

ENDIVE



GREEN CURLED. Not only much used as a salad, but is highly ornamental from its delicately cut and colored leaves. Much used for garnishing. Lb., \$1.50; oz., 15c; pkg., 5c.

LEEK

LARGE AMERICAN FLAG. This fine variety produces large white stems of delicate flavor. Oz., 15c; pkg., 5c.

KOHL RABI



LARGE EARLY PURPLE. Fine and tender. Oz., 15c; pkg., 5c.

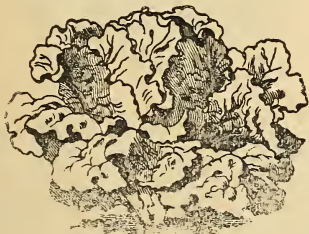
LARGE EARLY WHITE. Same as above except color. Oz., 15c; pkg., 5c.

LETTUCE



HANSON. One of the very best. Large heads, sweet and crisp. If you want your lettuce to head, plant this kind and thin out, or transplant to several inches apart. $\frac{1}{4}$ lb., 30c; oz., 10c; pkg., 5c.

GRAND RAPIDS. This is the kind of lettuce that is generally used for growing under glass in winter. $\frac{1}{4}$ lb., 40c; oz., 15c; pkg., 5c.

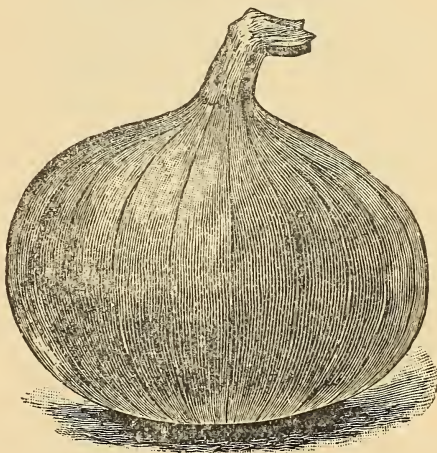


BLACK SEED SIMPSON. Large early; very nice and desirable; slow to run to seed; tender a long time. $\frac{1}{4}$ lb., 30c; oz., 10c; pkg., 5c.

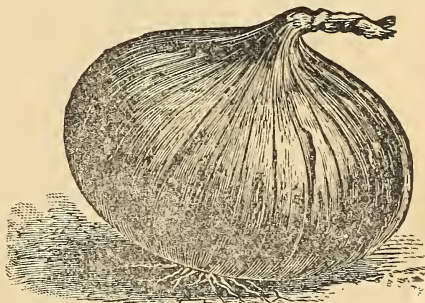
EARLY PRIZE HEAD BROWN. Large leaves, tinged with brownish red; very tender, crisp and sweet, forming a large, loose head. Pkg., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.

ONION SEEDS

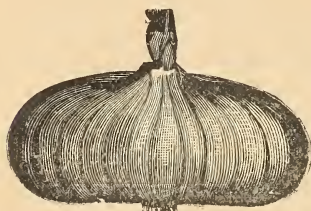
Our onion seed has given the best of satisfaction. Many have written us that they could never grow such nice, large, sound onions with any other seed. We have extra choice onion seed, and onion growers can place the utmost confidence in this seed. Sow about five pounds to the acre.



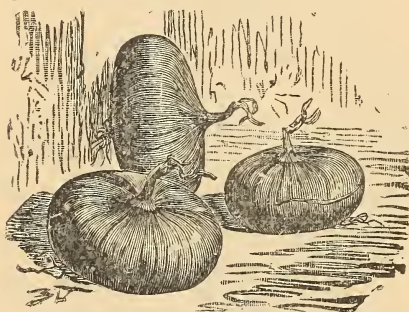
OREGON YELLOW DANVERS. A great favorite. Round, large; yields heavy; early to ripen and a good keeper; best kind for Puget Sound. All the onion growers like it. Lb., \$1.75; $\frac{1}{4}$ lb., 50c; oz., 15c; pkg., 5c.



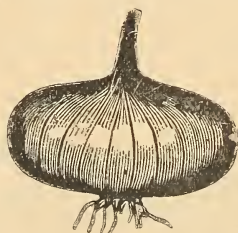
AUSTRALIAN BROWN. A beautiful amber brown; extra early; sure cropper, and best keeper of all the onions; very solid and good. Lb., \$1.50; $\frac{1}{4}$ lb., 40c; oz., 15c; pkg., 5c.



LARGE RED WETHERSFIELD. A pleasant flavor; grows large; flat; keeps well. Many people plant half red and half yellow, mixing the seed. Lb., \$1.75; $\frac{1}{4}$ lb., 60c; oz., 15c; pkg., 5c.



EXTRA EARLY RED. A light red colored onion; good keeper; earliest of all; medium sized, but very productive. Lb., \$2.00; $\frac{1}{4}$ lb., 60c; oz., 15c; pkg., 5c.



WHITE PORTUGAL OR AMERICAN SILVERSKIN. A large white, flat onion of mild flavor. Fine for early use and for pickling; keeps as well as any of the white onions. Lb., \$2.00; $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.

WHITE PEARL. This is the best onion for small pickles. It is one of the earliest onions grown. The bulbs average $1\frac{1}{2}$ inches in diameter and are pure white and very mild in flavor. They are also unsurpassed for very early table use. $\frac{1}{4}$ lb., 60c; oz., 20c; pkg., 5c.



YELLOW BOTTOM. Best sets for early green onions. Quality extra good this year. 20c lb., by Mail, Post-paid.

If by freight or express at your expense, or if sold at our seed store, deduct 5c lb.

MUSKMELON

Oz., 10c; pkg., 5c.

HACKENSACK. Largest of all nutmeg melons. Quality good; valuable for market or use.

JENNIE LIND. The earliest netted. Small but delicious.

WATERMELON

Oz., 10c; pkg., 5c.

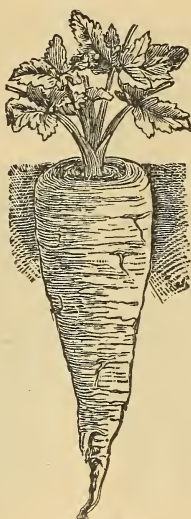
HARRIS' EARLIEST. Very early and productive. Good and easy to grow.

PARSLEY



CHAMPION MOSS CURLED. The most beautiful kind for garnishing or flavoring. Can cut fresh from the garden all winter. $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.

PARSNIPS



LONG WHITE. Large, smooth, sweet, the standard kind; grown from specially selected smooth roots, 1916 crop. Lb., 75c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.

HOLLOW CROWN. This variety is a good producer. The roots are tender and exceptionally fine grained. Lb. 75c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.

PEPPERS

CHINESE GIANT PEPPER. This variety produces an abundance of mammoth fruits sometimes reaching 12 to 15 inches in diameter. The flesh is tender, thick, and mild and unexcelled for use in salads and for stuffing "Manges." Oz., 40c; half oz., 25c; pkg., 1c.

GOLDEN DAWN. Large, sweet, yellow, productive. Has no fiery flavor and is excellent for mangoes. Oz., 30c; pkg. 5c.

LARGE SWEET MOUNTAIN. Red, mild, much used for mangoes. Oz., 25c; pkg., 5c.

RED CAENNE. Small, prolific, hot; much used in pickling. It requires heat to sprout and grow peppers, must be started early in hot beds, under glass. Oz., 25c; pkg., 5c.

PEAS—Early

When five pounds or over of any one variety of peas, either early or late, are ordered in a single order 5c per pound may be deducted from the price listed.



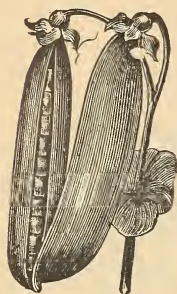
ALASKA or FIRST OF ALL. Earliest of all, and the best of the hard, smooth, round peas, which can be planted very early as they are not so liable to rot in the ground as the wrinkled peas. Three feet tall. Lb., 20c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

AMERICAN WONDER. Earliest of the dwarfed wrinkled peas. Does not need bushing. Large peas and pods and prolific; quality extra good. Do not plant it while the ground is cold and wet. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

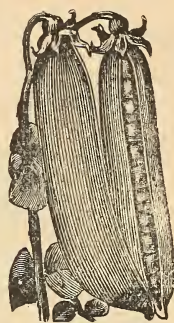
LAXTONIAN. This new pea is one of the earliest dwarf varieties. It is very hardy and produces abundantly. The pods are dark green and generally about 4 inches long. The peas are usually 7 to 10 in number and of large size and very delicious flavor. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

NOTT'S EXCELSIOR. A well known favorite. Resembles the American Wonder, but is more prolific and more vigorous, and a good quality. Is the best early dwarf pea grown. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

PEAS—Late



Stratagem



Telephone

IMPROVED STRATAGEM. A sweet wrinkled variety from England; vines of vigorous growth, healthy and stocky; about two feet high; producing a heavy crop of beautiful large, long pods; well filled with large peas of good quality; very valuable and reliable. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

TELEPHONE. Half dwarf with vigorous vines, producing an abundance of very large pods, filled with immense peas, which are tender and sweet and of excellent flavor. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

YORKSHIRE HERO. This is one of the largest and sweetest of the medium late varieties. The pods are large and well filled; the vines about $2\frac{1}{2}$ feet high and very vigorous. Lb., 25c; $\frac{1}{2}$ lb., 15c; $\frac{1}{4}$ lb., 10c; pkg., 5c.

PUMPKINS

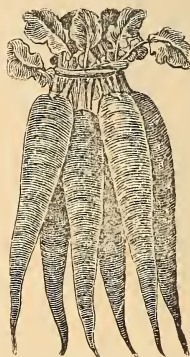
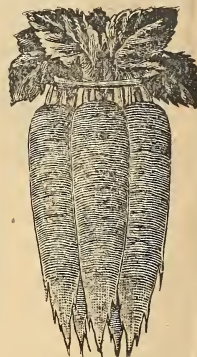
CULTURE.—Pumpkins will grow on any good farm land, but their size and quality will depend on the culture and fertility of the soil. Plant early in May, in hills six to eight feet apart. One pound of seed will plant about 300 hills. Care should be taken to keep the different varieties well apart, also away from other vining plants, as they mix and deteriorate very rapidly.

$\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.

SWEET or SUGAR. Fine grained; excellent for pies; very prolific. Early and sure to ripen.

RADISH

FRENCH BREAKFAST. Small, oval form, quick growing, mild and tender. Color scarlet, tipped with white; best kind for hot-beds or for earliest use in open ground in the garden. Get a good supply of radish seeds and sow every two weeks through the season. Lb., 60c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

Long Brightest
Scarlet

Chartier

LONG BRIGHTEST SCARLET. A beautiful new radish. It grows very quickly and is as good as it is pretty. Lb., 60c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

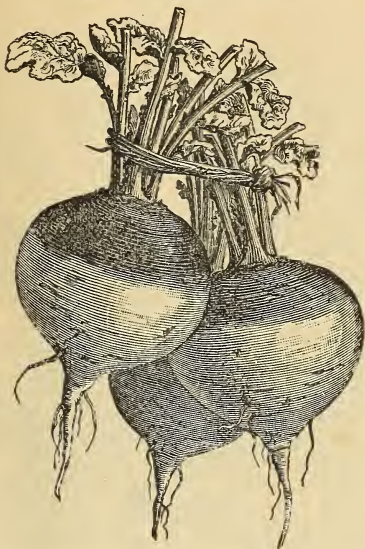
CHARTIER. Beautiful long scalet white tip; crisp and sweet. See cut. Lb., 50c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

LONG WHITE. Very juicy, crisp and tender. The finest of the long white radishes. Lb., 50c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

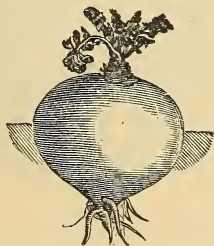
SCARLET TURNIP, WHIT. TIP-PED; or ROSY GEM. One of the most popular and attractive sort varieties. Globe-shaped, bright rose, carmine, with bottom and p clear white. Valuable for forcing as well as for the house garden or market. Lb., 50c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

CHINA ROSE WINTER. Best for winter use. Long, solid and tender. Lb., 65c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

ROUND BLACK SPANISH. A top-shaped winter variety with black skin and white flesh. Keep all winter. Lb., 75c; $\frac{1}{2}$ lb., 40c; $\frac{1}{4}$ lb., 25c; oz., 10c; pkg., 5c.

RUTABAGA

SKIRVING'S PURPLE TOP. Best for field culture and cattle feeding and good for market. Lb., 60c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.



AMERICAN YELLOW. This is the best Rutabaga for either table or stock use. The flesh is very firm. As a yielder the American Yellow is surpassed only by the Skirving's Purple Top which is strictly a field Rutabaga. Lb., 60c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

WHITE FRENCH. A large, white, market variety; sweet, smooth and solid. Good winter keeper. Lb., 60c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

I was pleased with the seed that I received from you last spring. They all did very well and I had better results from your seed than some of our neighbors who obtained their seed from local firms. As long as I can get your seed I will plant no other.

MR. P. D. LARSON.
Eunice, Alberta

RHUBARB

VICTORIA. Is very large; standard kind; seeds sown this year will yield stalks for next year. Lb., \$1.00; $\frac{1}{4}$ lb., 30c; oz., 10c; pkg., 5c.

SALSIFY

Lb., \$1.75; $\frac{1}{4}$ lb., 50c; oz., 15c; pkg., 5c.

WHITE FRENCH. A white carrot-shaped root that makes delicious soup; resembling oysters in flavor; easy to grow; good all winter and late in spring; can be left in the ground all winter. Try it.

SQUASH

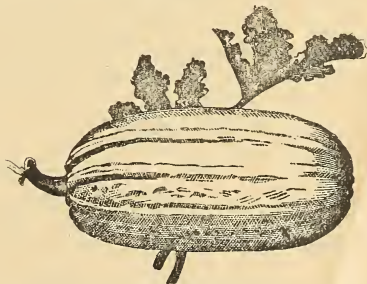
CULTURE.—The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The Summer varieties should be planted four to six feet apart each way, and the Winter sorts eight to ten feet. Three plants are sufficient to a hill.

SUMMER SQUASH

Lb., \$1; $\frac{1}{4}$ lb., 30c; oz., 10c; pkg., 5c.

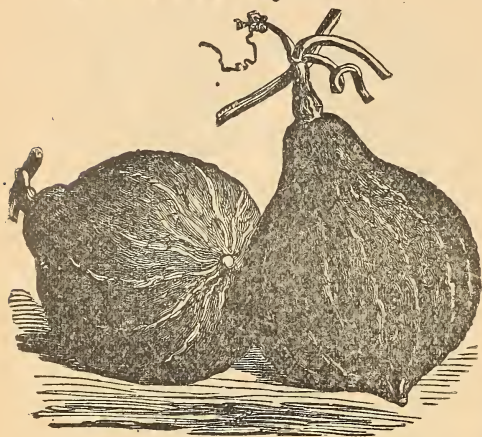
EARLY WHITE BUSH. The earliest summer squash. Very pretty, scalloped and very productive.

LARGE SUMMER CROOKNECK. An excellent new kind for family use or for market. Fine buttery flavor, prolific and large.



VEGETABLE MARROW. A favorite English sort. Rich nutty flavor. Fine for cooking when quite young; grows from 8 to 10 inches long; better than the other summer squashes. Lb., \$1; $\frac{1}{4}$ lb., 30c; oz., 10c; pkg., 5c.

WINTER SQUASH



HUBBARD. The standard winter squash, old and reliable. Does well here. Lb., \$1.00; $\frac{1}{4}$ lb., 35c; oz., 10c; pkg., 5c.

NEW GOLDEN HUBBARD. Same shape and same good qualities as the old standard Hubbard, but is of a bright orange yellow color, being exceedingly showy and attractive. Lb., \$1.00; $\frac{1}{4}$ lb., 35c; oz., 10c; pkg., 5c.

SPINACH

Price, lb., 50c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

BLOOMSDALE SAVOY. The variety most generally used in the East and South for shipping during the Winter or Spring. The rich deep green leaves are large, round and very much savoyed.

LONG STANDING. A variety of spinach that will stand more hot weather than the Bloomsdale Savoy without going to seed so is superior for family use, but it is not so good a shipper as the Savoy.

SUNFLOWER

Lb., 25c; $\frac{1}{4}$ lb., 10c; oz., 5c.

MAMMOTH RUSSIAN. Flowers and seeds very large; seeds rich with oil and valuable to feed poultry.

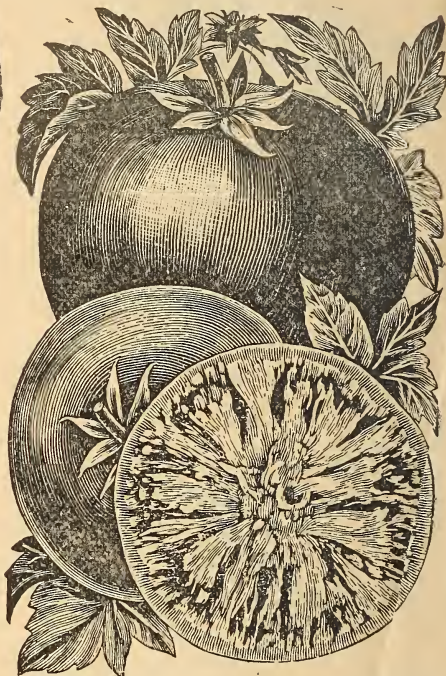
TOBACCO

Oz., 20c; pkg., 5c.

CONNECTICUT SEED LEAF. Hardy; the best for this latitude; excellent for smoking, also for making a spraying liquid for killing insects.

TOMATOES

CULTURE.—The seed should be sown in hot-beds about the first week in March. When the plants are two inches high transplant to a second bed. Do not transplant in the open until about the middle of May or until all danger of frost is past.



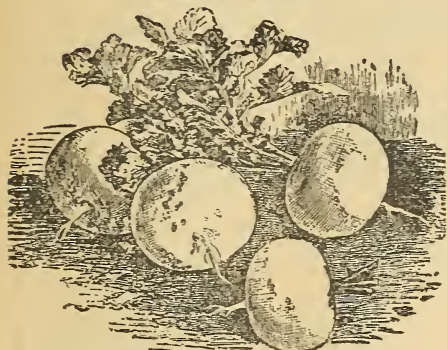
EARLIANA. A wonderfully early and very prolific medium-sized, uniform, smooth, good-shaped, bright scarlet tomato of great solidity and fine flavor. Vines vigorous and hardy, yielding and ripening well for us. $\frac{1}{4}$ lb., \$1.00; oz., 35c; pkg., 5c.

BONNY BEST. This splendid variety of tomato ripens with Earliana. Vines strong and vigorous. The flesh is deep scarlet in color and firm and of good flavor. $\frac{1}{4}$ lb., \$1.00; oz., 30c; pkg., 5c.

CHALKS EARLY JEWEL. Fruit deep scarlet, red, smooth, large and good quality. Second early. Oz., 25c; pkg., 5c.

YELLOW PLUM. Small, plum-shaped, early and very prolific. Most excellent for sweet reserves. $\frac{1}{4}$ lb., 75c; oz., 25c; pkg., c.

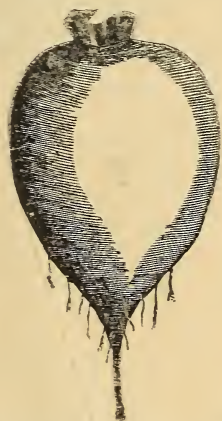
TURNIPS



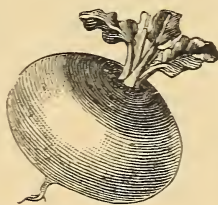
EXTRA EARLY MILAN. Earliest of turnips. Quite flat, small leaves and small tap-root, with bulb three or four inches in diameter; bright red and purple above ground and clean white below, making it very attractive in market. Lb., 75c; $\frac{1}{2}$ lb., 40c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.



PURPLE-TOP STRAP-LEAF. The old standard flat fall turnip. Lb., 50c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.



PURPLE TOP WHITE GLOBE. A valuable sort, for either table use or stock feeding. Roots globe-shaped, white with purple top; flesh white, firm and tender. Lb., 50c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.



YELLOW ABERDEEN. Very hardy and productive; good keeper; globe-shaped; fine quality. Lb., 50c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

WHITE EGG. Large, early, sweet, good, smooth, egg-shaped. Lb., 60c; $\frac{1}{2}$ lb., 35c; $\frac{1}{4}$ lb., 20c; oz., 10c; pkg., 5c.

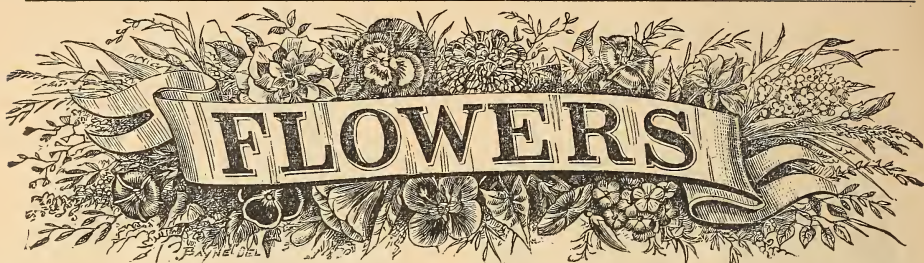
HERB SEEDS

Pkgs., 5c each; six pkgs., 25c; twelve pkgs., 45c.

ANISE—Hardy annual.
CARAWAY—Hardy biennial.
CORIANDER—Hardy annual.
DILL—Annual aromatic.
HOREHOUND—Perennial.
ROSEMARY—Fragrant perennial.

LAVENDER—Fragrant perennial.
MARJORAM—(Sweet) perennial.
SAGE—Large leaved, for flavoring.
SUMMER SAVORY—For flavoring.
THYME—Medicinal perennial.
WORMWOOD—Bitter perennial.

Garden herbs are of much value for medicine, flavoring and perfume, and are easily grown from seed: Some of them should be in every garden.



PRICES—Packages 5c (except Snapdragon); any six for 25c; any twelve for 50c; the whole collection of thirty-one kinds, \$1.00.

CALIFORNIA POPPY

A very hardy annual bearing a profusion of bright yellow cup-shaped flowers. Will grow in almost any soil and easily reseeds itself.

CANDYTUFT

A hardy annual growing about 8 to 10 inches high. Flowers very fragrant. It is very easy to grow and is much used for borders and massing.

BABY BREATH

A feathery annual bearing a profusion of small starlike flowers. It is much used in bouquets with larger flowers.

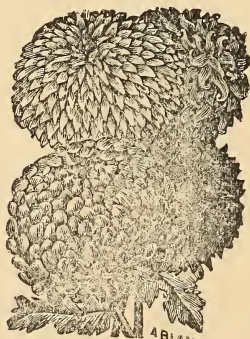
ACCROLINIUM

This hardy annual, the most hardy of the so-called everlasting flowers, produces an abundance of white and rose colored flowers during the months of August and September.



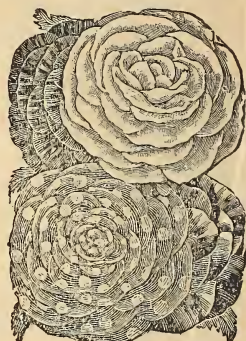
SWEET ALYSSUM

This is one of the sweetest of the annuals. It is very hardy and produces a succession of white flowers till killed by frost. Alyssum is a great favorite as a border plant.



ASTERS

This beautiful flower is so well known that it needs no description. Our mixture contains asters of nearly all types and colors. Plants started in hotbeds or boxes within the house and transplanted outdoors soon as the weather permits will give an abundance of flowers from August until the heavy frosts. For extra choice strains see page Two.



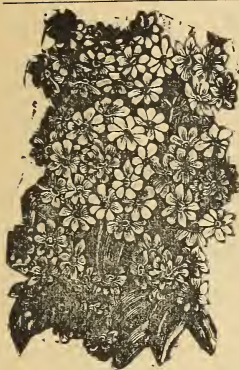
BALSAM

Camelia flowered balsams are an old garden favorite. The flowers are double and of mixed colors. The plant is an annual and is rather tender, so will not stand frosts.



CARNATION

Finest double mixed. Most magnificent of the pinks. All colors and shades.



FORGET-ME-NOT

Very popular, beautiful perennials; hardy enough to remain in open ground over winter.



MORNING GLORIES

A well known climbing annual of rapid growth and profusion of bloom. An old-time favorite.

HELICHRYSUM

Another of the everlasting or straw flowers; very large, strong, rich colored, double flower. Very easily grown.

HOLLYHOCKS

This is the old favorite formerly found in nearly all flower gardens. It is a very hardy annual and as it grows very tall is finely adapted for rows along high fences or beside buildings.

LOBELIA

The most brilliant bloomer and the hardiest of all bordering plants. It is a great favorite for window and porch boxes. Also used for pot culture.

LARKSPUR

A hardy garden annual. Long a favorite. Flowers are various shade of red, blue, white, etc. Will grow on almost any variety of soil.

MARIGOLD

African double mixed. This hardy garden favorite usually grows about three feet tall. The various shades range from yellow to brown.

MIGNONETTE

Another old-fashioned favorite flower. No garden complete without it. Large spikes; very fragrant.



NASTURTIUM (Dwarf)

Half hardy annual. Blooms very profusely all the season. Many brilliant colors, mixed. Needs no trellis. 1 oz., 10c.



NASTURTIUM (Tall)

Beautiful annual climber for trellises and arbors; of easy culture, gorgeous colored flowers until killed by hard frosts. 1 oz., 10c.

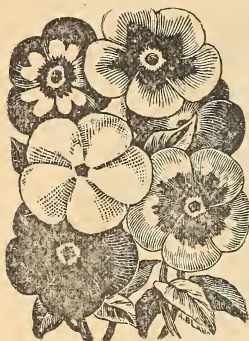
PETUNIA

Mixed colors. Profusely blooming; hardy. In bloom till frost comes. Easy to grow anywhere.

PANSIES

Large flowering varieties. Containing many colors, shades, and markings. Contains many very fine specimens. For extra choice strains see page Two.





PHLOX DRUMMONDI

A beautiful showy annual. All colors, mixed; very brilliant.

PORTULACA

Double and single mixed creeper, with bright colored flowers.

POPPIES

Peony flowered. Mixed colors. Large and brilliant. Grows very quickly and easily. Makes a fine show.



SHIRLEY POPPIES

The Shirley Poppy is the most beautiful type of poppy grown. The foliage has a soft, hairy covering and the petals are immense and have a beautiful satin-like texture. The flowers are of many colors, there being flowers of white, pink, lavender, purple and various shades of red and scarlet.

RHODANTHE

The most delicate of all the everlasting. Beautiful silky pendent flower. Pink and white mixed.



Salpiglossis

SALPIGLOSSIS

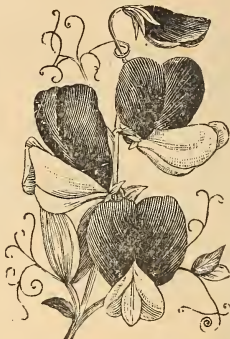
One of the most beautiful of flowering annuals, bearing many flowers of large size and many colors.

WALLFLOWER

Double; mixed colors. Hardy perennial, beautiful, fragrant. Blooms profusely early in spring next year after planting and continues to bloom for several years.



Wallflower



SWEET PEAS

This sweet pea mixture contains nearly all colors and shades. Largely grandiflora types, although there are a few of the best Spencers included. Spencer mixture, page 25.

SNAPDRAGON (Antirrhinum)

There has been a greater improvement in this oldtime favorite during the last three or four years than in almost any other flower. The giant flowering Snapdragon of today are infinitely better than the old well known common sort. Flowers large, delicately shaded and of many colors. Price per packet, 10c.

SWEET WILLIAM

A sweet-scented perennial growing from one to two feet high. The handsome flowers are borne in clusters on a stiff stem.



VERBENA

A hardy perennial of easy culture. Soaking the seed in water before planting will hasten the germination. Can be used either for bedding or bordering plants.

SWEET PEAS

CHOICE NEW KINDS

MARGARET ATLEE—New Giant Spencer. Rich rosy salmon-pink on creamy buff. Immense wavy standard, inclined to double. Large wavy wings. Oz., 40c; pkg., 10c.

KING EDWARD VII—The largest pure red. Brilliant and attractive. 1 oz., 15c; pkg., 5c.

DOROTHY ECKFORD—The best pure white. Extra large size, splendid substance, and borne three on a stem. Oz., 15c; pkg., 5c.

LADY GRISEL HAMILTON—The largest flowering lavender color. 1 oz., 15c; pkg., 5c.

OTHELLO—The largest and best maroon. Very dark, with veins almost black. 1 oz., 15c; pkg., 5c.

HON. MRS. E. KENYON—Rich primrose; flushed pink. Oz., 15c; pkg., 5c.

MRS. WALTER WRIGHT—The largest purple-blue or rose-purple. 1 oz., 15c; pkg., 5c.

ASTA OHN, SPENCER TYPE—Soft lavender, suffuse mauve. 1 oz., 40c; pkg., 10c.

COUNTESS SPENCER—The new giant pink. Very desirable; seed scarce. Oz., 40c; pkg., 10c.

HELEN LEWIS, SPENCER TYPE—The new giant orange-pink. Oz., 40c; pkg., 10c.

AURORA—Bright orange-pink striped, mottled and flaked on white. Oz., 15c; pkg., 5c.

ROSE DU BARRI—Beautiful crimson and orange color. Oz., 15c; pkg., 5c.

BEST LARGE FLOWERING MIXED—All colors. $\frac{1}{4}$ lb., 30c; oz., 10c; pkg., 5c.

SUPERB SPENCER MIXTURE—All colors. Oz., 30c; pkg., 10c.



GLADIOLI

GLADIOLUS

The Gladiolus is the easiest of all the spring bulbs to grow, and it is also one of the surest to give satisfactory results. The bulbs may be planted anytime the weather will permit from February til June. The flowers of both the America and the Hybrid Mixed are very large and of exquisite coloring and texture.

The mixed varieties are of our own raising and selection and are very fine bulbs.

Price—5c each; 50c per dozen postpaid.

AMERICA—Undoubtedly the finest named variety sold anywhere.

Price—5c each; 50c per dozen, postpaid.

DAHLIAS

The dahlias offered in this list have been grown for us by a local grower, who is considered one of the best authorities on dahlia culture on the Pacific Coast. We have selected the following varieties from a field of nearly 400 varieties with the view of selecting such as have proven valuable for garden decoration, as well as for cutting.

Orders for dahlias are booked as received, and will be shipped from April 15th to May 15th. Dahlias can be planted at any time from about April 20th to June 1st.

If you are not familiar with dahlias and wish to leave the selection to us, send the amount you wish to pay and state how many tubers wanted. We will guarantee satisfaction.

We would especially appreciate if you will say if we may substitute with an equal or better variety if the one ordered is sold out.

CACTUS DAHLIAS

ALEXANDER —Rich, intense crimson-maroon, good form and habit.....	20c
ANEMONE —Flowers incurved; color white, flushed with pale lilac.....	25c
BUGEAUD —Beautiful deep carmine red, petals serrated at the tips.....	50c
COCKATOO —Canary yellow tipped pure white, very pretty.....	20c
COUNTESS OF LONSDALE —Color salmon pink and amber, one of the best.....	25c
COUNTRY GIRL —Golden yellow suffused rose; large and refined flower.....	25c
DAYDREAM —Honey-yellow, with bright yellow center and salmon-rose shadings.....	25c
DR. MENE —Amber and yellow, flowers are large and deep.....	25c
ETHEL YATMAN —Shell-pink, with salmon center, very attractive.....	35c
FLAMINGO —Brilliant vermilion; long, pointed petals.....	20c
FLORADORA —Bright blood-red flowers; free bloomer and very early.....	20c
FLORENCE M. STREDWICK —Creamy-white, the finest of this color.....	25c
FOXHUNTER —Bright scarlet, with long, narrow, straight petals.....	15c
FRED COEBALD —Bright crimson, large and free.....	20c
GLORY OF WILTS —Large golden yellow, magnificent.....	25c
GOLDEN GATE —Considered to be the best Dahlia in existence. A grand flower of a deep golden yellow, tinted bronze or russet, very large and free.....	75c
GOOD HOPE —Deep maroon passing to crimson.....	25c
GWENDOLIN TUCKER —Pale flesh-pink, large bloom with claw-shaped petals, one of the most popular.....	50c
HEDWIG SEVERIN —Soft pink, with silvery violet reflex; keeps well in water.....	25c
ICEBERG —Ivory-white, very fine form.....	25c
INDIAN MAID —Golden-yellow suffused apricot, center of bloom a brownish orange, very attractive.....	50c
JACK KID —The most intense, yellow dahlia known, very large.....	25c
KREIMHILDE —Pleasing shade of pink with white center.....	20c
LADY FAIR —Primrose, tinted soft pink, very novel type.....	25c
MAGNET —Coppery old-rose with mauve suffusion towards the tips.....	20c
MARGARITAE BOUCHON —The most sensational dahlia introduced in recent years; a beautiful shade of light pink with almost white center.....	50c
MODEL —Sulphur-yellow shading to light pink towards the tips.....	25c
MRS. CHAS. TURNER —Bright lemon-yellow of a very fine form.....	20c
MRS. DeLUCA —Yellow, shaded orange, one of the best.....	20c
MRS. H. J. JONES —Large scarlet, tipped white.....	20c
MRS. J. EMBERSON —Pale lemon, spotted rosy-pink, a fine dahlia.....	25c
MRS. W. H. RABY —Creamy-white, extra fine form.....	25c
OCTOPUS —Large light pink, shading to creamy-white center.....	20c
PRIMA DONNA —Mauve-pink with lighter center, very artistic.....	25c
REINE AMELIA —Rose, shaded yellow, center tipped slightly white.....	20c
REV. ARTHUR T. BRIDGE —Bright, clear yellow, tipped with rose-pink.....	25c
STANDARD BEARER —Rich, fiery scarlet flowers on upright stems.....	20c
STEARN —Canary-yellow- very large refined flowers.....	20c
SWEET BRIAR —An exquisite shade of soft pink, the best of its color.....	50c
TOKIO —Pinkish-salmon, shading to yellow, very large and fine.....	20c
WOLFGANG VON GOETHE —Rich apricot with carmine shadings.....	35c
W. T. ROGERS —Velvety maroon, illuminated with crimson.....	25c
YVONNE CAYEUX —Pure ivory white, long, straight narrow petals.....	20c

DECORATIVE DAHLIAS

CORONA —A miniature, pure white of perfect form and free flowering.....	15c
JEANNE CHARMET —Gigantic blooms of pinkish lilac; long stems.....	25c
MASTER PAUL —Violet-rose on a lighter ground, each petal edged with a deeper shade of rose; very long stems.....	50c
ORANGE DOUZON —The same dahlia as the red Douzon except in color which is a beautiful shade of light orange, very large.....	15c
PERLE DE LYON —The best white dahlia for any purpose, good size and long stems, fine for cutting.....	20c
SOUVENIR DE GUSTAVE DOUZON —A pleasing shade of orange-red; one of the largest dahlias.....	15c
SWINOMISH —A brilliant crimson-maroon with deeper shadings towards the center of the flower.....	20c
WHITE DOUZON —The same dahlia as the other Douzons, white in color.....	25c

SHOW DAHLIAS

A. D. LIVONI —Clearest shade of pink known in dahlias.....	20c
DREER'S WHITE —The best pure white quilled dahlia.....	25c
FANDORA —Delicate soft mauve-pink of perfect form.....	20c
PRINCESS VICTORIA —The earliest and freest flowering primrose yellow.....	20c

PAEONY FLOWERED DAHLIAS

GARNET QUEEN —A fine garnet colored art dahlia.....	20c
MISS ADELAIDE M. BUTTLE —(Hybrid Paeony) New type of dahlia, center showing decorative petals while the outer petals take cactus form. Color of the center is primrose-yellow blending to creamy-white at the tips.....	\$1.00
MRS. WOODROW WILSON —Creamy-yellow, large and of a fluffy appearance.....	50c
PRINCE CHARMING —A blending of apricot, orange, yellow and pale rose.....	35c
RED RIDING HOOD —The most brilliant crimson-maroon of any dahlia yet known, the bloom is very artistic.....	\$1.00
SOLFATARA —Brilliant carmine with yellow center.....	25c
WHIDEY —Large, loose, fluffy flower of a pleasing shade of pink.....	25c
WILCOX —Fine rose-pink with lighter shadings.....	25c

SINGLE AND COLLERETTE DAHLIAS

EKFORD CENTURY —Pure white spotted and penciled with crimson.....	15c
FRINGED CENTURY —Rosy-crimson with lighter markings.....	15c
GLADYS —Rosy-crimson and snow-white center surrounding yellow disk.....	15c
MISS EMMA —Dark salmon-yellow with light center.....	15c
SENSATION —Brilliant red, heavily tipped with white.....	15c
POINSETTIA —(Duplex) Bright scarlet bloom throughout the season.....	25c
DIRECTEUR RENE GERARD —(Collerette) French purple with white collar.....	25c
METEOR —(Collerette) Deep cardinal red, collar petals sulphur-yellow.....	25c

POMPON DAHLIAS

DARKNESS —Deep velvety maroon.....	15c
GRETCHEN HEINE —Rose tinted white, tipped crimson-carmine.....	20c
LITTLE BESSIE —Creamy-white, closely quilled.....	15c
ROSALIE —Lemon-yellow, tipped solfarino.....	15c

SPECIAL OFFER

You may select dahlias from the foregoing list to the amount of \$12.00 and pay us \$10.00 for the lot, or you may select dahlias to the amount of \$6.00 and pay us \$5.00 for the lot. They will be shipped to you postpaid.

EXTRA SPECIAL OFFER

We have a limited stock of dahlia tubers from which the labels have been lost in handling. These will be sold while they last at 12 tubers for One Dollar (not less than order for \$1.00 accepted in this offer). They will be postpaid to any postoffice in the states of Washington, Idaho, Oregon and Montana. To persons in other states this lot will cost \$1.25.

SPECIAL OFFERS

THIRTY FULL FIVE CENT PACKAGES—ONE PACKAGE EACH of the Following Thirty Kinds Choice Selected Vegetable Seeds, All for One Dollar.

(In ordering simply send \$1 and say you want the Family Garden Collection.)

Beans— Golden Wax, bush. Old Homestead, pole.	Celery— White Plume.	Radish— Scarlet Turnip White Tipped.
Beets— Early Egyptian. Late, Long Smooth.	Cucumber— Early White Spine. Long Green.	Chartier, late.
Cabbage— Early Jersey Wakefield. Early Winningstadt. Late Flat Dutch.	Corn— Mammoth Early Cory.	Rutabaga— American Yellow.
Carrot— Early Scarlet Horn. Early Oxheart. Improved Short White.	Lettuce— The Hanson.	Squash— Early White Bush. Late Green Hubbard.
Cauliflower— Autumn Giant.	Onion— Yellow Danvers. Red Wethersfield.	Swiss Chard—
	Parsnip— Long Smooth White.	Tomato— The Earliana.
	Peas— Nott's Excelsior. Stratagem, late.	Turnip— Early White Egg. Purple Top Strap Leaf.

Or, you may make your own selections, any Twenty-five 5-cent Packages in this whole Catalog for \$1.00 and may include Herbs and Flowers. Any Twelve 5c Packages for 50c. These offers apply to 5c Packages only, and not to Ounces. In no other way can you make the money go so far to reduce the cost of living.

Grass and Clover Seeds

Prices Below Apply to First and Second Zones Only.

We have on hand this year a large stock of choice clean grass and clover seeds. We take great care to have only the best grades of seed obtainable, those which are plump and of good germination and free from foul weed seeds. While inferior grades may be had at cheaper prices, it pays to plant only the best, as the results will pay the difference in the first cost many times over. So in the end the most expensive grades will be the cheapest to those who plant the seed.

Postpaid:		1 Lb.	10 Lbs.	Postpaid:		1 Lb.	10 Lbs.
Timothy	.....	15c	12c per lb.	Red Clover	.....	30c	25c per lb.
Red Top	.....	40c	37c per lb.	Alsike	.....	30c	25c per lb.
Kentucky Blue Grass	.....	25c	22c per lb.	Alfalfa	.....	30c	27c per lb.
Orchard Grass	.....	30c	27c per lb.	White Clover	.....	60c	55c per lb.
Italian Rye Grass	.....	20c	17c per lb.	Lawn Grass	.....	40c	37c per lb.
English Rye Grass	.....	20c	17c per lb.	Mammoth Red Clover	.....	30c	27c per lb.

The above prices are given on amounts up to 10 pounds only, because on larger quantities we may be able to make you lower prices, as the price of grass seeds is constantly changing. So, if larger amounts are desired, write us for prices.

Vegetable Plants

Securely Packed with Moss at the Roots. By Mail, Postpaid.

	Per doz.	Per 100
TOMATO, EARLIANA —Transplanted	\$0.50	\$2.50
Smaller plants from seed bed (not transplanted).....	.25	1.25
CELERY, WHITE PLUME —Early plants from hot-bed.....	.20	.75
Later plants, after June 15th.....	.15	.50
CAULIFLOWER —Early, from hot-bed.....	.20	1.25
Late plants, after June 15th.....	.15	.75
CABBAGE —Early Jersey Wakefield, from hot-bed.....	.20	.75
Late Flat Dutch and Winningstadt, after June 15th.....	.15	.50

For price of early and late Cabbage Plants, by express or freight, by the 1000 write, stating kinds and quantities wanted.

ROOTS

ASPARAGUS—1 year, 25c per doz.; 75c per 50; \$1.00 per 100, postpaid.
Two year, 50c per doz., \$1.50 per 50; \$2.50 per 100, postpaid.

RHUBARB—1 year, 10c each; \$1.00 per doz., postpaid by mail.
Bud cuttings of Mammoth Pie Plant, same prices.

Good Books for Farmers and Gardeners

Sent by Mail, Postpaid, at the Prices Named.

CELERY CULTURE—By W. R. Beattie. This is not only a practical guide for beginners, but a handy reference for those already engaged in celery growing. It clearly describes and illustrates the best methods to be used for growing either in small quantities or in carload lots. Size 5x7. Cloth, 50c.

ASPARAGUS—By F. M. Hexamer. This useful book describes the best methods of growing and marketing asparagus. It also tells how to can or dry the product and how to handle any insects or fungi that may attack the plant. Illustrated; 5x7 inches. Cloth, price 50c.

ONIONS, HOW TO GROW THEM PROFITABLY—By seventeen growers of experience. The best book on onions ever published. Paper, 20c

ONION RAISING—By James J. H. Gregory. A new booklet giving in detail the most approved methods of raising onions for market or home. Paper, 30c.

HOW TO GROW CABBAGE—By Gregory. Full details for growing, keeping and selling cabbage. Paper, 30c.

CARROTS, MANGEL WURTZELS, ETC.—By Gregory. How to grow, harvest, keep and feed all kinds of farm roots for stock feeding. Paper, 30c.

GARDENING FOR PROFIT—By Peter Henderson. The best book on gardening ever written. No market gardener should try to do without it, and it will pay every farmer to read it. Cloth, 12 mo.; profusely illustrated, \$1.50.

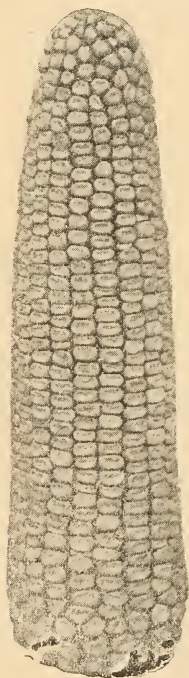
SMALL FRUIT CULTURALIST—By Andrew S. Fuller. This book covers the whole ground of small fruits, their culture, varieties, packing for market, etc. It is very finely and thoroughly illustrated. Cloth, 12 mo., \$1.00.

PROFITS IN POULTRY—This excellent work contains the combined experience of a number of practical men in all departments of poultry raising. It is profusely illustrated and will be of much value to every poultry keeper. Cloth, 12 mo., \$1.00.

Fodder Corn

HOW TO GROW FIELD CORN

Too much emphasis cannot be placed on the importance of carefully selecting the location for growing Field Corn. No ground should be chosen that is low, or damp during any period of the corn's growth. The ideal soil is one that is deep, rich, and contains a little sand. Clay soils are inclined to be too heavy and hard. If a location that has recently been in sod cannot be obtained, stable manure should be used as this will much more than repay the trouble in added yield. The plowing should be as deep as practical and the soil well pulverized. Best results are obtained where tillage is frequent as long as the size of the growing corn will permit. In the dairying region of Skagit County where hundreds of acres are grown every year it is customary to plant the seed in drills, using about twenty pounds to the acre.



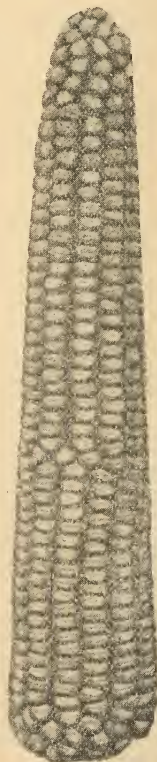
Minnesota No. 13

MINNESOTA NO. 13 (Dent). This corn is the earliest and most productive of all yellow dent corn. Besides being adapted to a wider range of climate and soils than any other corn, it will produce the greatest amount of ensilage of any of the kinds now grown with success west of the Cascade Mountains. Our stock is grown from finest selected stock and carefully tested for germination.

Prices—Postpaid, lb., 15c; 10 lbs. or more at 12c per lb. Write for prices on 50 lbs. or over.

EARLY NORTHWESTERN (Smoky Dent). The earliest dent corn grown. The kernel is red, being a cross between a red dent and a yellow dent. While this corn does not produce as great a quantity of stalk as the Minnesota No. 13, it will mature a much greater number of ears, and so is especially adapted for feeding hogs.

Prices—Postpaid, lb., 15c; 10 lbs. or more, 12c per lb. Write for prices on 50 lbs. or over.



Early Northwestern

FARM SEEDS FOR FORAGE CROPS

SPRING VETCH

The name "Spring Vetch" when applied in Western Washington is misleading in that this variety of vetch can be sown equally well either in the spring or fall. For this locality it is superior to the more expensive "Winter Vetch" whether grown for hay, silage, pasture or green manure. It is especially fine when grown for silage as it is not only a great milk producer, but it also builds up the land on which it is grown. Should be sown at the rate of sixty to eighty pounds of vetch and forty to fifty pounds of either oats, wheat or rye. Can be sown until about November 1st.

FIELD PEAS

Valuable for green fodder, also the ripe dry peas are very fattening hog feed. Peas and vetches are very enriching for the ground when plowed under green. They draw nitrogen from the air and give it to the soil. Sow 100 lbs to the acre.

For prices, see table at bottom of page.

DWARF ESSEX RAPE

Dwarf Essex Rape, while used largely as a pasture crop for hogs and sheep, is also good for cattle and poultry. In the Northwest it may be sown any time from early spring till early fall. It should be allowed from six to eight weeks' growth before being pastured. Rape does well on moist land and slough banks, provided that the soil is not sour.

Seed should be sown at the rate of 5 lbs. per acre.

For prices, see table at bottom of page.

THOUSAND HEADED OR COW KALE

Thousand Headed Kale is one of the most valuable of all winter crops for dairymen and poultrymen. It is a very hardy plant belonging to the cabbage family, which grows, in many cases, well over four feet in height, while the central stalk produces an abundance of long broad leaves which are of great value as a green winter feed. Many poultrymen use it almost exclusively as a source of green feed during the winter. It is also largely used by the dairymen of this section, but should not be fed just before milking time.

Best results in growing Cow Kale are obtained when the plants are raised in a plant bed and transplanted in May, June, or the first part of July, in rows about 4 feet apart with the plants about 3 feet apart in the row. Owing to its rapid growth and large size when grown, it requires only a very moderate amount of cultivation if the ground is in good condition when the transplanting is done.

For prices, see table at bottom of page and page 8.

WINTER RYE

Winter Rye is rapidly becoming a great favorite in this section of the country as a cover crop for soiling purposes and for green feed. As rye will grow well all winter in the mild climate of the Northwest, it is being used more and more widely for soiling purposes on land which has already produced a crop of vegetables, corn, or other produce which can be removed in time for early fall plowing or discing.

Rye can be sown with perfect safety until nearly the first of November.

For prices, see table at bottom of page.

TABLE OF PRICES FOR 1ST AND 2ND ZONES

	Single Lb.	10 lbs.	50 lbs.	100 lbs.
	Postpaid	Postpaid	Postpaid	Not Postpaid
Spring Vetch	\$0.15	\$1.00	\$ 4.00	
Field Peas .....	.15	1.00	4.00	Write
Dwarf Essex Rape .....	.25	2.00	10.00	for
Thousand Headed Kale .....	.50	4.50		Prices
Winter Rye .....	.10	.50	2.25	

Above prices are subject to change without notice (see page 1).

Carco for Root Maggots

The Root Maggots are getting to be a terrible pest all over the country. They are very destructive to Cabbages, Cauliflowers, Rutabagas, Turnips, Kale and Radishes.

The fly, which looks like a small house fly, lays the eggs on the stem of the plants at the surface of the ground. These eggs soon hatch out and the small maggots work their way down into the roots, eating off the small rootlets, and then eating their way into the heart of the large center roots, soon spoiling the plant, which has already been weakened by loss of the small roots.

Fortunately for the gardener, this fly dislikes the smell of Coal Tar, Creosote or of Carbolie Acid, so that by frequent spraying of the plants with Carbolie or Creosote solutions or emulsions, properly diluted, the fly will keep away, and the maggots will not appear.

But to be effective, the spraying must be repeated every few days or the smell will disappear, especially in rainy weather. Prevention is better than cure—and it is better to keep the fly away—but if the maggots do get into the plant roots, spraying will not kill them, nor will it kill the eggs, unless we use a strong enough solution to kill the plants also.

After the maggots have appeared, we have to resort to pouring some of the above diluted liquid solutions or emulsions on the plants, so it will run down the stems into the roots, which will kill or drive out the maggots, provided we have not waited so long that the maggots have protected themselves by eating into the hearts of the large roots, or into the stems of the plants.

We have found the best and most effective solution is made by using "Carco" diluted with about 125 parts of water. The best method of application is as follows:

The solution should be mixed in barrels or tubs. Men or boys can carry pails of the solution and dippers and easily supply two rows at one trip. The solution should be poured into the plant so that it will kill any aphids it may strike and also run down around the stem of the plant.

In general Carco should be applied same as any other Creosote solution whether for cabbage, cauliflower, radishes, turnips, crown borers in strawberry plants or any other plant for which solutions can be used.

If the first application does not entirely stop the work of the maggots, another application should be made in a week or ten days after the first one.

In this way we have been able to save whole fields of Cabbage from destruction.

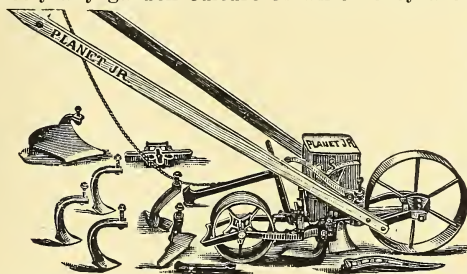
PRICES

Price by mail, postpaid— $\frac{1}{2}$ pt., 25c; Pt., 40c; Quart, 60c. By express at purchaser's expense—2 Qts., 90c; Gallon, \$1.75; 5 Gallons, \$7.50.

HIGHEST GRADE ASTERS AND PANSIES
PLANTS OR SEED—See page 2.

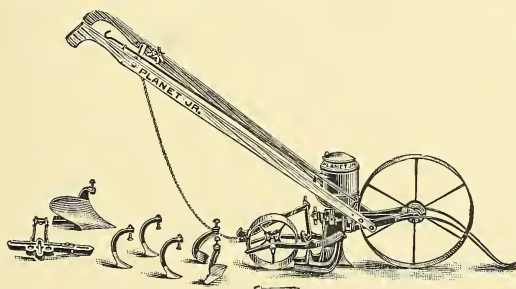
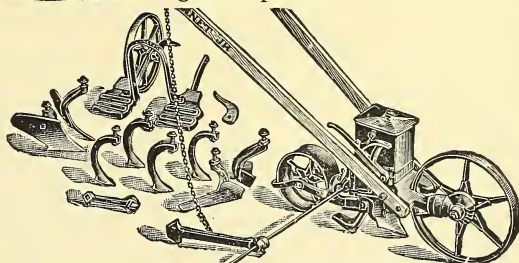
Planet Jr. Garden Tools

We offer these tools as the highest type of their class. They have a great variety of attachments which adapt the implements to a large variety of work, and there is scarcely any garden culture of which they are not capable.



No. 4 Planet Jr., Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow. This tool combines in a single convenient implement, a capital hill-dropping seeder, a continuous row seeder, an admirable single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow.

No. 25 Planet Jr., Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow. This new combined machine is intended for gardeners who have large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately.



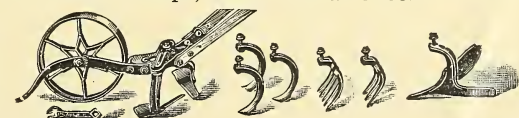
No. 11 Planet Jr., Double Wheel Hoe, Cultivator, Plow and Rake. The hoes are the most valuable of all the wheel hoe attachments; are oil tempered and polished. Use the 4-inch for 6, 10 or 12-inch rows; the 6 inch for rows 12 inches and upwards. The hoes are together for opening furrows for covering; use also for plowing from

No. 6 Planet Jr., Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow. What it will do: It drops all garden seed in hills and sows in drills, in a narrow line, to any exact depth required, covers, rolls down and marks the next row, all at one passage. As a wheel hoe, it hoes, cultivates and plows all garden crops, completing a row at every passage, up to 16 inches in width.



No. 16 Planet Jr., Single Wheel Hoe, Cultivator, Rake and Plow. Handles adjustable in height, frame is steel, convenient and strong with quick change device for exchanging tools without removing nuts.

The plows are invaluable; use them with points of manure, seed, etc., then exchange sides for covering; use also for plowing from or towards crops, both sides at once.



The new Planet Jr. Catalog is the handsomest, best and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.



Thousand Headed
Kale